

Figure 1

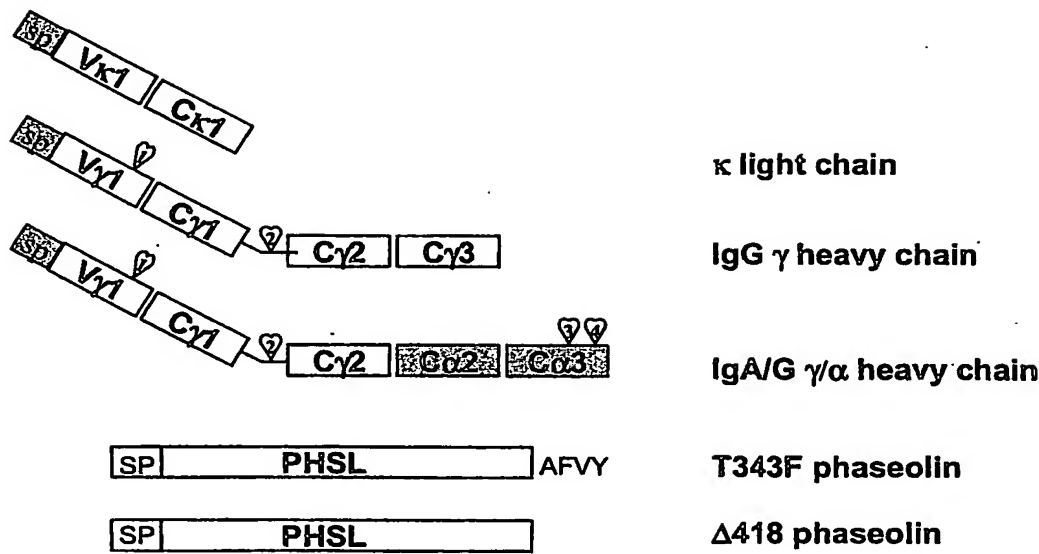


Figure 2

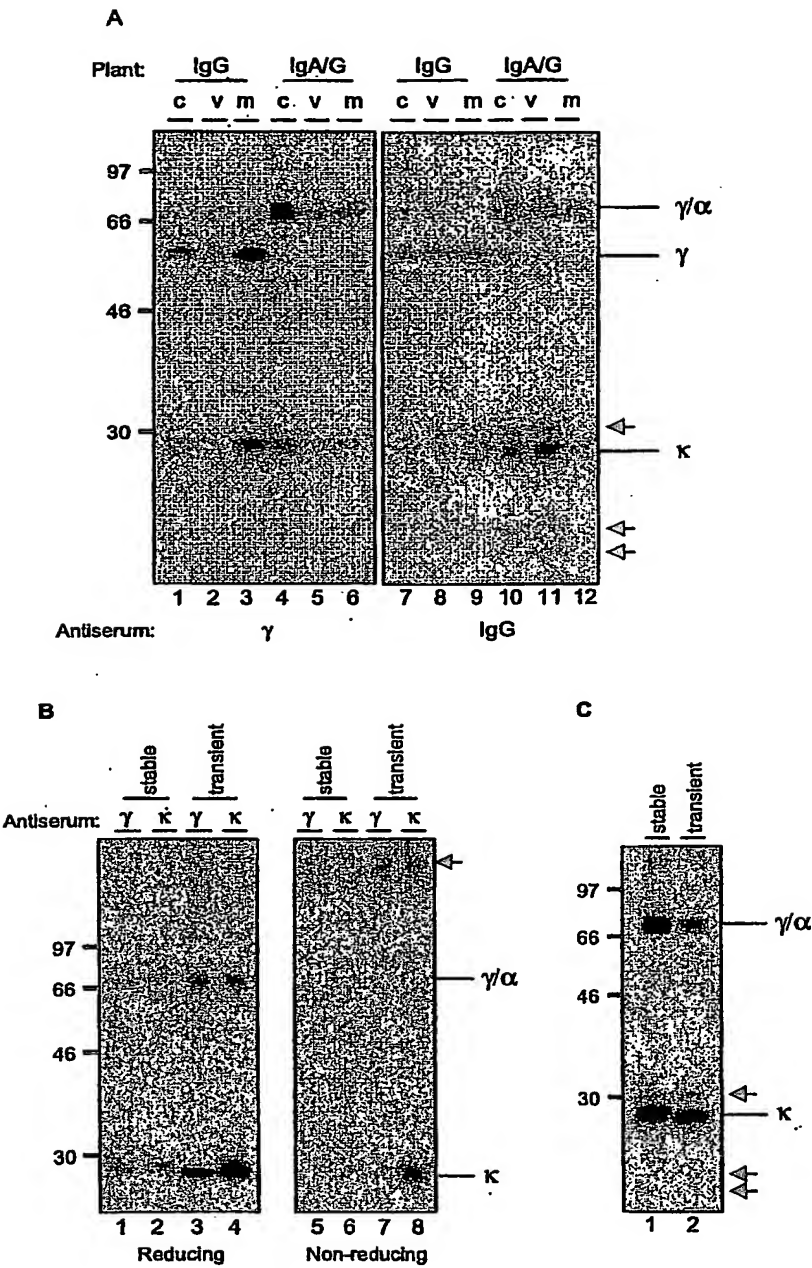


Figure 3

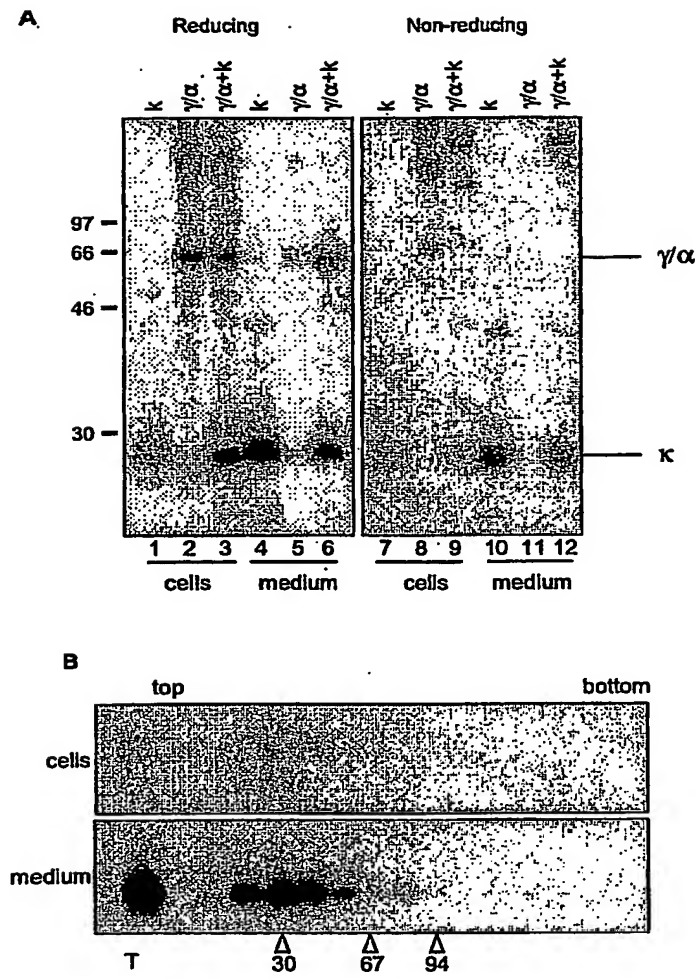


Figure 4

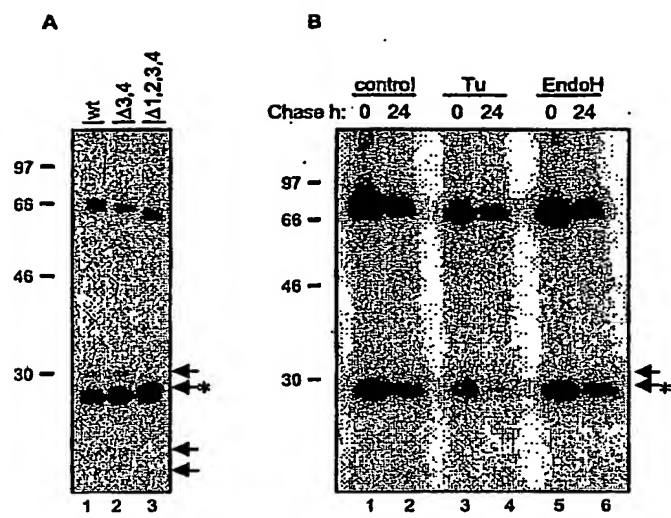


Figure 5

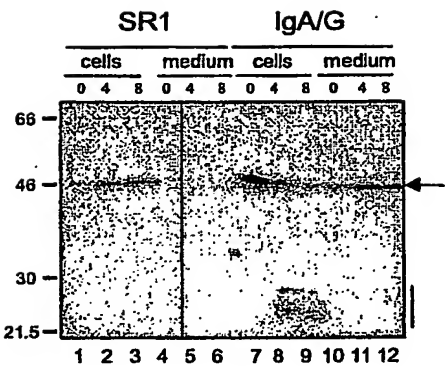


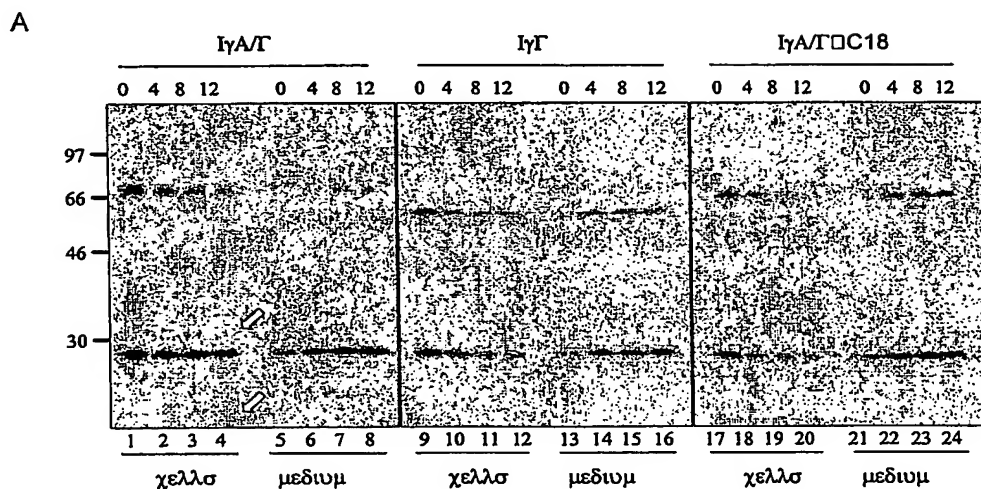
Figure 6



γ/α chain (C α 3) 23

γ chain (C γ 3) 26

Figure 7



B

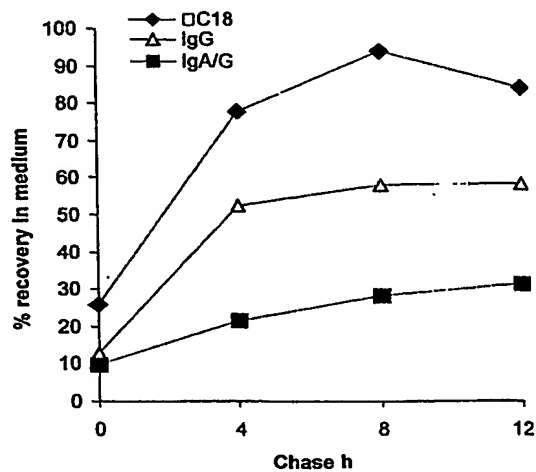


Figure 8	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
1 SWALL: <u>ALC MOUSE</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
2 SWALL: <u>Q9DCD9</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
3 SWALL: <u>Q91WP5</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
4 SWALL: <u>Q99M22</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
5 SWALL: <u>Q91XR1</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
6 SWALL: <u>AAH29188</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
7 SWALL: <u>Q91WT1</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
8 SWALL: <u>Q91WT3</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
9 SWALL: <u>Q8VCV5</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
10 SWALL: <u>Q91X92</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
11 SWALL: <u>AAH28249</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
12 SWALL: <u>Q8VEA0</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
13 SWALL: <u>Q99LA6</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
14 SWALL: <u>Q91Z07</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
15 SWALL: <u>Q99KA4</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
16 SWALL: <u>Q91WR1</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
17 SWALL: <u>AAH31703</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
18 SWALL: <u>Q8VCX4</u>	100.0%	IDRLSGKPTNVS SVSVIMSEGDGICY
19 SWALL: <u>ALC2 HUMAN</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
20 SWALL: <u>ALC1 GORGO</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
21 SWALL: <u>ALC1 HUMAN</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
22 SWALL: <u>Q9UP60</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
23 SWALL: <u>Q9NPP6</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
24 SWALL: <u>BAC11114</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
25 SWALL: <u>Q96K68</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
26 SWALL: <u>Q96KX8</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
27 SWALL: <u>Q96DK0</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
28 SWALL: <u>Q8WY24</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
29 SWALL: <u>AAH32249</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
30 SWALL: <u>Q9BRV0</u>	72.0%	IDRLAGKPTHV NVSVVMAREVDGICY
31 SWALL: <u>ALC RABIT</u>	56.0%	IDRLAGKPTHV NVSVVADVEAVCY
32 SWALL: <u>MUC MESAU</u>	56.0%	VDRSTGKPTLY NVSLVMSDAGGTICY
33 SWALL: <u>MUC MOUSE</u>	52.0%	VDKSTGKPTLY NVSLVMSDTGGTICY
34 SWALL: <u>Q9BSZ1</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
35 SWALL: <u>MUCB HUMAN</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
36 SWALL: <u>MUC HUMAN</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
37 SWALL: <u>Q9BQB8</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
38 SWALL: <u>Q9BU10</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
39 SWALL: <u>Q96BB9</u>	48.0%	VDKSTGKPTLY NVSLVMSDTAGTICY
40 SWALL: <u>MUC CANFA</u>	44.0%	VDKSTGKPTLY NVSLVLSDTAGZICY
41 SWALL: <u>MUC SUNMU</u>	44.0%	VDKSTGKPTLY NVSLVLSDTASTICY
42 SWALL: <u>MUC RABIT</u>	48.0%	VDKSTGKPTLY NVSLVMSDTASTICY
43 SWALL: <u>MUC CHICK</u>	40.0%	VDRASGKASAV NVSLVLADSAACICY
44 SWALL: <u>Q8YOT9</u>	36.4%	--RIGGPPTGITS DSVYLSVYEGVC--
consensus/100%		..+.sG.so.hssslhhu..tu..
consensus/90%		1D+.sGKPT.hsVS11hu--sGh Y

Figure 9

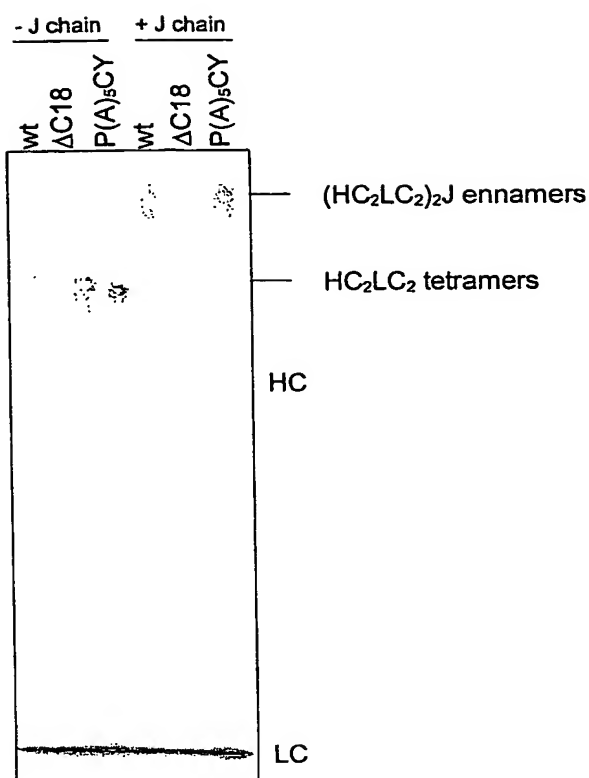


Figure 10

